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Term	Documents
TRANSGENIC	8039
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1 AND TRANSGENIC	12

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11 and transgenic

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<u>DB Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
ALL	11 and transgenic	12	<u>L3</u>
ALL	I-SCEI	22	<u>L2</u>
ALL	I-SCEI	22	<u>L1</u>

**WEST**[Help](#)[Logout](#)[Main Menu](#)[Search Form](#)[Posting Counts](#)[Show S Numbers](#)[Edit S Numbers](#)**Search Results - Record(s) 1 through 12 of 12 returned.****1. Document ID: US 5962327 A**

Entry 1 of 12

File: USPT

Oct 5, 1999

US-PAT-NO: 5962327

DOCUMENT-IDENTIFIER: US 5962327 A

TITLE: Nucleotide sequence encoding the enzyme I-SceI and the uses thereof

DATE-ISSUED: October 5, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dujon; Bernard	Gif sur Yvette	N/A	N/A	FRX
Choulika; Andre	Paris	N/A	N/A	FRX
Colleaux; Laurence	Edinburgh	N/A	N/A	GBX
Fairhead; Cecile	Malakoff	N/A	N/A	FRX
Perrin; Arnaud	Paris	N/A	N/A	FRX
Plessis; Anne	Paris	N/A	N/A	FRX
Thierry; Agnes	Paris	N/A	N/A	FRX

US-CL-CURRENT: 435/478; 435/320.1, 536/23.2

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

29 Claims, 32 Drawing figures

Exemplary Claim Number: 27

Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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**2. Document ID: US 5948678 A**

Entry 2 of 12

File: USPT

Sep 7, 1999

US-PAT-NO: 5948678  
DOCUMENT-IDENTIFIER: US 5948678 A

TITLE: Nucleotide sequence encoding the enzyme I-SceI and the uses thereof

DATE-ISSUED: September 7, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dujon; Bernard	Gif sur Yvette	N/A	N/A	FRX
Choulika; Andre	Paris	N/A	N/A	FRX
Perrin; Arnaud	Paris	N/A	N/A	FRX
Nicolas; Jean-Francois	Noisy le Roi	N/A	N/A	FRX

US-CL-CURRENT: 435/354; 435/410, 536/23.1, 536/23.74, 536/24.1

ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

14 Claims, 64 Drawing figures

Exemplary Claim Number: 5

Number of Drawing Sheets: 46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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3. Document ID: US 5866361 A

Entry 3 of 12

File: USPT

Feb 2, 1999

US-PAT-NO: 5866361

DOCUMENT-IDENTIFIER: US 5866361 A

TITLE: Nucleotide sequence encoding the enzyme I-SceI and the uses thereof

DATE-ISSUED: February 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dujon; Bernard	Gif Sur Yvette	N/A	N/A	FRX
Choulika; Andre	Paris	N/A	N/A	FRX
Perrin; Arnaud	Paris	N/A	N/A	FRX
Nicolas; Jean-Francois	Noisy Le Roi	N/A	N/A	FRX

US-CL-CURRENT: 435/69.1; 435/199, 435/252.3, 435/252.33, 530/350, 530/824, 536/23.2

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

8 Claims, 65 Drawing figures

Exemplary Claim Number: 1,6

Number of Drawing Sheets: 46

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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4. Document ID: US 5866404 A

Entry 4 of 12

File: USPT

Feb 2, 1999

US-PAT-NO: 5866404

DOCUMENT-IDENTIFIER: US 5866404 A

TITLE: Yeast-bacteria shuttle vector

DATE-ISSUED: February 2, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bradshaw; M. Suzanne	Cincinnati	OH	N/A	N/A
Bollekens; Jacques A.	Brussels	N/A	N/A	BEX
Ruddle; Frank H.	New Haven	CT	N/A	N/A

US-CL-CURRENT: 435/252.33; 435/252.3, 435/254.2, 435/254.21,  
435/320.1

## ABSTRACT:

The functional analysis of genes frequently requires the manipulation of large genomic regions. A yeast-bacteria shuttle vector is described, that can be used to clone large regions of DNA by homologous recombination. The important feature of present invention is the presence of the a bacterial replication origin, which allows large DNA insert capacity. The utility of this vector lies in its ability to isolate, manipulate and maintain large fragments in bacteria and yeast, allowing for mutagenesis by yeast genetics and simplified preparation of plasmid DNA in bacteria.

13 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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5. Document ID: US 5792632 A

Entry 5 of 12

File: USPT

Aug 11, 1998

US-PAT-NO: 5792632

DOCUMENT-IDENTIFIER: US 5792632 A

TITLE: Nucleotide sequence encoding the enzyme I-SceI and the uses thereof

DATE-ISSUED: August 11, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dujon; Bernard	Gif Sur Yvette	N/A	N/A	FRX
Choulika; Andre	Paris	N/A	N/A	FRX
Perrin; Arnaud	Paris	N/A	N/A	FRX
Nicolas; Jean-Francois	Noisy Le Roi	N/A	N/A	FRX

US-CL-CURRENT: 435/462; 435/320.1, 435/468, 435/483

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

17 Claims, 64 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 44

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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## 6. Document ID: US 5643763 A

Entry 6 of 12

File: USPT

Jul 1, 1997

US-PAT-NO: 5643763

DOCUMENT-IDENTIFIER: US 5643763 A

TITLE: Method for making recombinant yeast artificial chromosomes  
by minimizing diploid doubling during mating

DATE-ISSUED: July 1, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunn; Barbara	Los Altos	CA	N/A	N/A
Choi; Theodore K.	Berkeley	CA	N/A	N/A

US-CL-CURRENT: 435/91.1; 435/320.1, 435/6, 435/91.2, 536/24.3,  
536/24.31, 536/24.32, 536/24.33

## ABSTRACT:

The present invention provides methods for construction of recombinant Yeast Artificial Chromosomes ("YAC") by homologous recombination between YACs during meiosis. In particular, conditions are provided for the step of mating haploid cells and for the step of spore analysis that increase the frequency of spores containing the desired recombinant YAC. The methods find particular use in constructing recombinant YACs between YACs that are incompatible when co-propagated in a diploid and/or that share homology regions of less than about 50 kilobases. Linking YACs, methods of their construction, and methods of their use are provided that allow facile construction of a YAC containing two or more discontinuous regions of DNA.

22 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	RWC	Image
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7. Document ID: US 5474896 A

Entry 7 of 12

File: USPT

Dec 12, 1995

US-PAT-NO: 5474896

DOCUMENT-IDENTIFIER: US 5474896 A

TITLE: Nucleotide sequence encoding the enzyme I-SceI and the uses thereof

DATE-ISSUED: December 12, 1995

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dujon; Bernard	Gif sur Yvette	N/A	N/A	FRX
Choulika; Andre	Paris	N/A	N/A	FRX
Colleaux; Laurence	Edinburgh	N/A	N/A	GB6
Fairhead; Cecile	Malakoff	N/A	N/A	FRX
Perrin; Arnaud	Paris	N/A	N/A	FRX
Plessis; Anne	Paris	N/A	N/A	FRX
Thierry; Agnes	Paris	N/A	N/A	FRX

US-CL-CURRENT: 435/6; 435/320.1

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

2 Claims, 38 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 22

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KMC	Image
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8. Document ID: US 5348886 A

Entry 8 of 12

File: USPT

Sep 20, 1994



US-PAT-NO: 5348886

DOCUMENT-IDENTIFIER: US 5348886 A

TITLE: Method of producing recombinant eukaryotic viruses in bacteria

DATE-ISSUED: September 20, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lee; Stephen C.	St. Louis	MO	N/A	N/A
Leusch; Mark S.	Manchester	MO	N/A	N/A
Luckow; Verne A.	Chesterfield	MO	N/A	N/A
Olins; Peter O.	Glencoe	MO	N/A	N/A

US-CL-CURRENT: 435/69.1; 435/252.3, 435/252.33, 435/320.1,  
435/91.4, 435/91.41, 536/23.1

## ABSTRACT:

A method for producing infectious recombinant baculoviruses in bacteria is described. A novel baculovirus shuttle vector (bacmid) was constructed that contains a low-copy-number bacterial replicon, a selectable drug resistance marker, and a preferred attachment site for a site-specific bacterial transposon, inserted into a nonessential locus of the baculovirus genome. This shuttle vector can replicate in *E. coli* as a plasmid and is stably inherited and structurally stable after many generations of growth. Bacmid DNA isolated from *E. coli* is infectious when introduced into susceptible lepidopteran insect cells. DNA segments containing a viral promoter driving expression of a foreign gene in insect cells that are flanked by the left and right ends of the site-specific transposon can transpose to the attachment site in the bacmid propagated in *E. coli* when transposition functions are provided in trans by a helper plasmid. The foreign gene is expressed when the resulting composite bacmid is introduced into insect cells.

42 Claims, 5 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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9. Document ID: US 5792632 A

Entry 9 of 12

File: EPAB

Aug 11, 1998

PUB-NO: US005792632A  
DOCUMENT-IDENTIFIER: US 5792632 A  
TITLE: Nucleotide sequence encoding the enzyme I-SceI and the  
uses thereof  
PUBN-DATE: August 11, 1998

## INVENTOR-INFORMATION:

NAME	COUNTRY
DUJON, BERNARD	FR
CHOULIKA, ANDRE	FR
PERRIN, ARNAUD	FR
NICOLAS, JEAN-FRANCOIS	FR

INT-CL (IPC): C12 N 15/00; C12 N 5/00; C12 N 15/09; C12 N 15/63

EUR-CL (EPC): C12N009/22 ; C12N015/66 , C12Q001/68 , C12Q001/68

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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10. Document ID: WO 9614408 A2

Entry 10 of 12

File: EPAB

May 17, 1996

PUB-NO: WO009614408A2  
DOCUMENT-IDENTIFIER: WO 9614408 A2  
TITLE: NUCLEOTIDE SEQUENCE ENCODING THE ENZYME I-SCEI AND THE  
USES THEREOF  
PUBN-DATE: May 17, 1996

## INVENTOR-INFORMATION:

NAME	COUNTRY
CHOULIKA, ANDRE	N/A
PERRIN, ARNAUD	N/A
DUJON, BERNARD	N/A
NICOLAS, JEAN-FRANCOIS	N/A

INT-CL (IPC): C12 N 15/11; C12 N 5/10; C12 N 15/66; A01 K 67/027

EUR-CL (EPC): C12N009/22 ; C12N015/66

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site directed insertion of genes.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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11. Document ID: US 5474896 A

Entry 11 of 12

File: EPAB

Dec 12, 1995

PUB-NO: US005474896A  
DOCUMENT-IDENTIFIER: US 5474896 A  
TITLE: Nucleotide sequence encoding the enzyme I-SceI and the  
uses thereof  
PUBN-DATE: December 12, 1995

## INVENTOR-INFORMATION:

NAME	COUNTRY
DUJON, BERNARD	FR
CHOULIKA, ANDRE	FR
COLLEAUX, LAURENCE	GB
FAIRHEAD, CECILE	FR
PERRIN, ARNAUD	FR
PLESSIS, ANNE	FR
THIERRY, AGNES	FR

INT-CL (IPC): C12 Q 1/68; C12 N 15/70

EUR-CL (EPC): C12Q001/68 ; C12N009/22 , C12Q001/68

## ABSTRACT:

An isolated DNA encoding the enzyme I-SceI is provided. The DNA sequence can be incorporated in cloning and expression vectors, transformed cell lines and transgenic animals. The vectors are useful in gene mapping and site-directed insertion of genes.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWC	Image
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12. Document ID: US 5866361 A, WO 9614408 A2, WO 9614408 A3, EP 791058 A1, US 5792632 A, JP 10508478 W

Entry 12 of 12

File: DWPI

Feb 2, 1999

DERWENT-ACC-NO: 1996-251758

DERWENT-WEEK: 199912

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TITLE: Induction of site-directed double strand breaks in chromosomal DNA - to induce homologous recombination between the chromosomal and exogenous DNA

INVENTOR: CHOULIKA, A; DUJON, B ; NICOLAS, J ; PERRIN, A

## PRIORITY-DATA:

1994US-0336241

November 7, 1994

1992US-0879689

May 5, 1992

1992US-0971160

November 5, 1992

1995US-0465273

June 5, 1995

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5866361 A	February 2, 1999	N/A	000	C12N001/21
WO 9614408 A2	May 17, 1996	E	123	C12N015/11
WO 9614408 A3	August 29, 1996	N/A	000	N/A
EP 791058 A1	August 27, 1997	E	000	N/A
US 5792632 A	August 11, 1998	N/A	000	C12N015/00
JP 10508478 W	August 25, 1998	N/A	124	C12N015/09

INT-CL (IPC): A01 K 67/027; C12 N 1/19; C12 N 1/21; C12 N 5/00; C12 N 5/10; C12 N 9/14; C12 N 9/16; C12 N 15/00; C12 N 15/09; C12 N 15/11; C12 N 15/55; C12 N 15/63; C12 N 15/66; C12 P 21/02; C12 N 9/16; C12 R 1/865; C12 N 9/16; C12 R 1/91

ABSTRACTED-PUB-NO: US 5792632A  
BASIC-ABSTRACT:

A method to induce at least 1 site-directed double strand (ds) break in a cell's DNA comprises: (a) providing cells contg. ds DNA including at least 1 I-SceI restriction site; (b) transfecting the cells with at least a plasmid comprising DNA encoding the I-SceI meganuclease; and (c) selecting cells in which at least 1 ds break has been induced.

USE - The method is useful to induce homologous recombination between a cell's, pref. a stem cell, chromosomal DNA and exogenous DNA, esp. to insert DNA encoding polypeptides (claimed). By transforming stem cells with the DNAs, polypeptides can be expressed in transgenic animals. Cells and transgenic animals contg. an inserted I-SceI site at a predetermined location are useful for screening procedures, e.g. for phenotypes, ligands and drugs, and for very high level reproducible expression of recombinant retroviral vectors if the cell line is a transcomplementing cell line for retrovirus prodn. Transfected cells, e.g. haematopoietic tissue or skin cells, can be used as targets for gene therapy.

ABSTRACTED-PUB-NO:

US 5866361A EQUIVALENT-ABSTRACTS:

A method to induce at least 1 site-directed double strand (ds) break in a cell's DNA comprises: (a) providing cells contg. ds DNA including at least 1 I-SceI restriction site; (b) transfecting the cells with at least a plasmid comprising DNA encoding the I-SceI meganuclease; and (c) selecting cells in which at least 1 ds break has been induced.

USE - The method is useful to induce homologous recombination between a cell's, pref. a stem cell, chromosomal DNA and exogenous DNA, esp. to insert DNA encoding polypeptides (claimed). By transforming stem cells with the DNAs, polypeptides can be expressed in transgenic animals. Cells and transgenic animals contg. an inserted I-SceI site at a predetermined location are useful for screening procedures, e.g. for phenotypes, ligands and drugs, and for very high level reproducible expression of recombinant retroviral vectors if the

cell line is a transcomplementing cell line for retrovirus prodn. Transfected cells, e.g. haematopoietic tissue or skin cells, can be used as targets for gene therapy.

A method to induce at least 1 site-directed double strand (ds) break in a cell's DNA comprises: (a) providing cells contg. ds DNA including at least 1 I-SceI restriction site; (b) transfecting the cells with at least a plasmid comprising DNA encoding the I-SceI meganuclease; and (c) selecting cells in which at least 1 ds break has been induced.

USE - The method is useful to induce homologous recombination between a cell's, pref. a stem cell, chromosomal DNA and exogenous DNA, esp. to insert DNA encoding polypeptides (claimed). By transforming stem cells with the DNAs, polypeptides can be expressed in transgenic animals. Cells and transgenic animals contg. an inserted I-SceI site at a predetermined location are useful for screening procedures, e.g. for phenotypes, ligands and drugs, and for very high level reproducible expression of recombinant retroviral vectors if the cell line is a transcomplementing cell line for retrovirus prodn. Transfected cells, e.g. haematopoietic tissue or skin cells, can be used as targets for gene therapy.

WO 9614408A

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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Term	Documents
TRANSGENIC	8039
TRANSGENICS	222
1 AND TRANSGENIC	12

Display 25 Documents

including document number

12

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US-PAT-NO: 5830729

DOCUMENT-IDENTIFIER: US 5830729 A

TITLE: I Sce I-induced gene replacement and gene conversion in embryonic stem cells

DATE-ISSUED: November 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Jaisser; Frederic	Malakoff	N/A	N/A	FRX
Cohen-Tannoudji; Michel	Paris	N/A	N/A	FRX
Robine; Sylvie	Vanves	N/A	N/A	FRX
Choulika; Andre	Paris	N/A	N/A	FRX
Louvard; Daniel	Sceaux	N/A	N/A	FRX
Babinet; Charles	Paris	N/A	N/A	FRX

US-CL-CURRENT: 435/462; 435/354, 435/91.5, 536/23.5

## ABSTRACT:

This invention relates to a method of constructing a villin gene hybrid by inserting an I-Sce I restriction site next to or within a gene or cDNA encoding a villin protein. The insertion site of the I-Sce I restriction site is chosen as to provide a first downstream part and a second upstream part from the site, containing at least twelve nucleotides of the gene or cDNA encoding the villin protein. Furthermore, the insertion of the restriction permits a high frequency of homologous recombination events. The villin gene hybrid may be used to transfect eukaryotic cells, and particularly, embryonic stem cells.

8 Claims, 9 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	KWIC	Image
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8. Document ID: US 5792633 A

Entry 8 of 22

File: USPT

Sep 10, 1998

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TITLE: Induction of site-directed double strand breaks in chromosomal DNA - to induce homologous recombination between the chromosomal and exogenous DNA

INVENTOR: CHOULIKA, A; DUJON, B ; NICOLAS, J ; PERRIN, A

PRIORITY-DATA:

1994US-0336241	November 7, 1994
1992US-0879689	May 5, 1992
1992US-0971160	November 5, 1992
1995US-0465273	June 5, 1995

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5866361 A	February 2, 1999	N/A	000	C12N001/21
WO 9614408 A2	May 17, 1996	E	123	C12N015/11
WO 9614408 A3	August 29, 1996	N/A	000	N/A
EP 791058 A1	August 27, 1997	E	000	N/A
US 5792632 A	August 11, 1998	N/A	000	C12N015/00
JP 10508478 W	August 25, 1998	N/A	124	C12N015/09

INT-CL (IPC): A01 K 67/027; C12 N 1/19; C12 N 1/21; C12 N 5/00; C12 N 5/10; C12 N 9/14; C12 N 9/16; C12 N 15/00; C12 N 15/09; C12 N 15/11; C12 N 15/55; C12 N 15/63; C12 N 15/66; C12 P 21/02; C12 N 9/16; C12 R 1/865; C12 N 9/16; C12 R 1/91

ABSTRACTED-PUB-NO: US 5792632A

BASIC-ABSTRACT:

A method to induce at least 1 site-directed double strand (ds) break in a cell's DNA comprises: (a) providing cells contg. ds DNA including at least 1 I-SceI restriction site; (b) transfecting the cells with at least a plasmid comprising DNA encoding the I-SceI meganuclease; and (c) selecting cells in which at least 1 ds break has been induced.

USE - The method is useful to induce homologous recombination between a cell's, pref. a stem cell, chromosomal DNA and exogenous DNA, esp. to insert DNA encoding polypeptides (claimed). By transforming stem cells with the DNAs, polypeptides can be expressed in transgenic animals. Cells and transgenic animals contg. an inserted I-SceI site at a predetermined location are useful for screening procedures, e.g. for phenotypes, ligands and drugs, and for very high level reproducible expression of recombinant retroviral vectors if the cell line is a transcomplementing cell line for retrovirus prodn. Transfected cells, e.g. haematopoietic tissue or skin cells, can be used as targets for gene therapy.

ABSTRACTED-PUB-NO:

US 5866361A EQUIVALENT-ABSTRACTS:

A method to induce at least 1 site-directed double strand (ds)



09244130

(  
(FILE 'HOME' ENTERED AT 16:05:03 ON 19 OCT 1999)

FILE 'MEDLINE, SCISEARCH, BIOSIS, CAPLUS' ENTERED AT 16:07:41 ON 19 OCT 1999

L1 210 S I-SCEI  
L2 17 S L1 AND TRANSGENIC  
L3 9 DUP REM L2 (8 DUPLICATES REMOVED)  
L4 56015 S TRANSGENIC MOUSE  
L5 1 S L4 AND L1  
E DUJON BERNARD/AU  
L6 99 S E3  
L7 71 DUP REM L6 (28 DUPLICATES REMOVED)  
L8 20 S L6 AND I-SCEI  
L9 15 DUP REM L8 (5 DUPLICATES REMOVED)  
L10 15 SORT L9 PY

=> log y

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
58.09	59.14

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
ENTRY	SESSION
-1.07	-1.07

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STN INTERNATIONAL LOGOFF AT 16:28:35 ON 19 OCT 1999

L3 ANSWER 1 OF 9 MEDLINE DUPLICATE 1  
AN 1999318848 MEDLINE  
DN 99318848  
TI Double-strand break-induced recombination between ectopic homologous  
sequences in somatic plant cells.  
AU Puchta H  
CS Institut fur Pflanzengenetik und Kulturpflanzenforschung (IPK), D-06466  
Gatersleben, Germany.. puchta@ipk-gatersleben.de  
SO GENETICS, (1999 Jul) 152 (3) 1173-81.  
Journal code: FMH. ISSN: 0016-6731.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199911  
EW 19991105

L3 ANSWER 2 OF 9 SCISEARCH COPYRIGHT 1999 ISI (R)  
AN 1999:548081 SCISEARCH  
GA The Genuine Article (R) Number: 214RJ  
TI PSURF-2, a modified BAC vector for selective YAC cloning and functional  
analysis  
AU Boyd A C (Reprint); Davidson H; Stevenson B; McLachlan G; DavidsonSmith H;  
Porteous D J  
CS WESTERN GEN HOSP, MRC, HUMAN GENET UNIT, CREWE RD, EDINBURGH EH4 2XU,  
MIDLOTHIAN, SCOTLAND (Reprint)  
CYA SCOTLAND  
SO BIOTECHNIQUES, (JUL 1999) Vol. 27, No. 1, pp. 164-&.  
Publisher: EATON PUBLISHING CO, 154 E. CENTRAL ST, NATICK, MA 01760.  
ISSN: 0736-6205.  
DT Article; Journal

FS LIFE  
 LA English  
 REC Reference Count: 38  
 \*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L3 ANSWER 3 OF 9 CAPLUS COPYRIGHT 1999 ACS  
 AN 1998:545391 CAPLUS  
 DN 129:172448  
 TI Cloning and expression of gene for restriction endonuclease I-SceI of *Saccharomyces cerevisiae* and use of I-SceI  
 IN Dujon, Bernard; Choulika, Andre; Perrin, Arnaud; Nicolas, Jean-francois  
 PA Institut Pasteur, Fr.  
 SO U.S., 79 pp. Cont.-in-part of U. S. 5,474,896.  
 CODEN: USXXAM

DT Patent  
 LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5792632	A	19980811	US 1994-336241	19941107
	US 5474896	A	19951212	US 1992-971160	19921105
	US 5866361	A	19990202	US 1995-465273	19950605
	WO 9614408	A2	19960517	WO 1995-EP4351	19951106
	WO 9614408	A3	19960829		
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2203569	AA	19960517	CA 1995-2203569	19951106
	EP 791058	A1	19970827	EP 1995-938418	19951106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 10508478	T2	19980825	JP 1995-515058	19951106
	US 5948678	A	19990907	US 1998-119024	19980720
PRAI	US 1992-879689		19920505		
	US 1992-971160		19921105		
	US 1994-336241		19941107		
	WO 1995-EP4351		19951106		

L3 ANSWER 4 OF 9 MEDLINE DUPLICATE 2  
 AN 1998447610 MEDLINE  
 DN 98447610  
 TI Capture of genomic and T-DNA sequences during double-strand break repair in somatic plant cells.  
 AU Salomon S; Puchta H  
 CS Institut für Pflanzengenetik und Kulturpflanzenforschung (IPK), Corrensstrasse 3, D-06466 Gatersleben, Germany.  
 SO EMBO JOURNAL, (1998 Oct 15) 17 (20) 6086-95.  
 Journal code: EMB. ISSN: 0261-4189.  
 CY ENGLAND: United Kingdom  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 OS GENBANK-AF061073; GENBANK-AF061074; GENBANK-AF061075; GENBANK-AF061076; GENBANK-AF061077; GENBANK-AF061078  
 EM 199902  
 EW 19990204

L3 ANSWER 5 OF 9 SCISEARCH COPYRIGHT 1999 ISI (R) DUPLICATE 3  
 AN 97:607730 SCISEARCH  
 GA The Genuine Article (R) Number: XQ124  
 TI Characterization of the transposition pattern of the Ac element in *Arabidopsis thaliana* using endonuclease I-SceI  
 AU Machida C (Reprint); Onouchi H; Koizumi J; Hamada S; Semiarti E; Torikai S; Machida Y

CS NAGOYA UNIV, GRAD SCH SCI, DIV BIOL SCI, DEV BIOL LAB, CHIKUSA KU, NAGOYA, AICHI 46401, JAPAN (Reprint); KIRIN BREWERY CO LTD, CENT LABS KEY TECHNOL, KANAZAWA KU, YOKOHAMA, KANAGAWA 236, JAPAN; KYOTO UNIV, DEPT PLANT SCI, GRAD SCH SCI, SAKYO KU, KYOTO 60601, JAPAN

CYA JAPAN

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (5 AUG 1997) Vol. 94, No. 16, pp. 8675-8680.

Publisher: NATL ACAD SCIENCES, 2101 CONSTITUTION AVE NW, WASHINGTON, DC 20418.

ISSN: 0027-8424.

DT Article; Journal

FS LIFE

LA English

REC Reference Count: 62

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L3 ANSWER 6 OF 9 CAPLUS COPYRIGHT 1999 ACS

AN 1996:428575 CAPLUS

DN 125:107019

TI Nucleotide sequence encoding yeast enzyme I-SceI and its use in inducing homologous recombination in eukaryotic cells and protein production in transgenic animals

IN Chouluka, Andre; Perrin, Arnaud; Dujon, Bernard; Nicolas, Jean-Francois

PA Institut Pasteur, Fr.; Universite Pierre Et Marie Curie

SO PCT Int. Appl., 122 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9614408	A2	19960517	WO 1995-EP4351	19951106
	WO 9614408	A3	19960829		
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5792632	A	19980811	US 1994-336241	19941107
	EP 791058	A1	19970827	EP 1995-938418	19951106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 10508478	T2	19980825	JP 1995-515058	19951106
PRAI	US 1994-336241		19941107		
	US 1992-879689		19920505		
	US 1992-971160		19921105		
	WO 1995-EP4351		19951106		

L3 ANSWER 7 OF 9 SCISEARCH COPYRIGHT 1999 ISI (R)

AN 96:383863 SCISEARCH

GA The Genuine Article (R) Number: UL255

TI 2 DIFFERENT BUT RELATED MECHANISMS ARE USED IN PLANTS FOR THE REPAIR OF GENOMIC DOUBLE-STRAND BREAKS BY HOMOLOGOUS RECOMBINATION

AU PUCHTA H (Reprint); DUJON B; HOHN B

CS INST PFLANZENGENET & KULTURPFLANZENFORSCH, CORRENSSTR 3, D-06466

GATERSLEBEN, GERMANY (Reprint); FRIEDRICH MIESCHER INST, CH-4002 BASEL, SWITZERLAND; INST PASTEUR, UNITE GENET MOL LEVURES, DEPT BIOTECHNOL, CNRS, UNITE RECH ASSOCIEE 1149, F-75724 PARIS 15, FRANCE

CYA GERMANY; SWITZERLAND; FRANCE

SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (14 MAY 1996) Vol. 93, No. 10, pp. 5055-5060.

ISSN: 0027-8424.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 52

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L3 ANSWER 8 OF 9 CAPLUS COPYRIGHT 1999 ACS  
AN 1993:226752 CAPLUS  
DN 118:226752  
TI Rapid physical mapping of YAC inserts by random integration of I-Sce I sites  
AU Colleaux, Laurence; Rougeulle, Claire; Avner, Philip; Dujon, Bernard  
CS Dep. Biol. Mol., Inst. Pasteur, Paris, F-75724, Fr.  
SO Hum. Mol. Genet. (1993), 2(3), 265-71  
CODEN: HMGEE5; ISSN: 0964-6906  
DT Journal  
LA English

L3 ANSWER 9 OF 9 CAPLUS COPYRIGHT 1999 ACS  
AN 1991:116135 CAPLUS  
DN 114:116135  
TI Cleavage of yeast and bacteriophage T7 genomes at a single site using the rare cutter endonuclease I-Sce I  
AU Thierry, Agnes; Perrin, Arnaud; Boyer, Jeanne; Fairhead, Cecile; Dujon, Bernard; Frey, Bruno; Schmitz, Gudrun  
CS Unite Genet. Mol. Levures, Inst. Pasteur, Paris, F-75724, Fr.  
SO Nucleic Acids Res. (1991), 19(1), 189-90  
CODEN: NARHAD; ISSN: 0305-1048  
DT Journal  
LA English

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L10 ANSWER 1 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1991:95919 CAPLUS  
DN 114:95919  
TI The apocytochrome b gene of Chlamydomonas smithii contains a mobile intron related to both Saccharomyces and Neurospora introns  
AU Colleaux, Laurence; Michel-Wolwertz, Marie Rose; Matagne, Rene F.; Dujon, Bernard  
CS Dep. Biol. Mol., Inst. Pasteur, Paris, F-75724, Fr.  
SO Mol. Gen. Genet. (1990), 223(2), 288-96  
CODEN: MGGEAE; ISSN: 0026-8925  
DT Journal  
LA English

L10 ANSWER 2 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1991:116135 CAPLUS  
DN 114:116135  
TI Cleavage of yeast and bacteriophage T7 genomes at a single site using the rare cutter endonuclease I-Sce I  
AU Thierry, Agnes; Perrin, Arnaud; Boyer, Jeanne; Fairhead, Cecile; Dujon, Bernard; Frey, Bruno; Schmitz, Gudrun  
CS Unite Genet. Mol. Levures, Inst. Pasteur, Paris, F-75724, Fr.  
SO Nucleic Acids Res. (1991), 19(1), 189-90  
CODEN: NARHAD; ISSN: 0305-1048  
DT Journal  
LA English

L10 ANSWER 3 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1992:484532 CAPLUS  
DN 117:84532  
TI Site-specific recombination determined by I-SceI, a mitochondrial group I intron-encoded endonuclease expressed in the yeast nucleus  
AU Plessis, Anne; Perrin, Arnaud; Haber, James E.; Dujon, Bernard

CS Dep. Biol. Mol., Inst. Pasteur, Paris, 75724, Fr.  
SO Genetics (1992), 130(3), 451-60  
CODEN: GENTAE; ISSN: 0016-6731  
DT Journal  
LA English

L10 ANSWER 4 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1993:454524 BIOSIS  
DN PREV199396099424  
TI Consequences of unique double-stranded breaks in yeast chromosomes: Death or homozygosis.  
AU Fairhead, Cecile (1); Dujon, Bernard  
CS (1) Unite de Genetique Mol. des Levures, URA 1149 du CNRS, Inst. Pasteur, 25 Rue du Docteur Roux, F-75724 Paris-Cedex 15 France  
SO Molecular & General Genetics, (1993) Vol. 240, No. 2, pp. 170-180.  
ISSN: 0026-8925.  
DT Article  
LA English

L10 ANSWER 5 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS  
AN 1993:388314 BIOSIS  
DN PREV199396063614  
TI Asymmetrical recognition and activity of the I-SceI endonuclease on its site and on intron-exon junctions.  
AU Perrin, Arnaud (1); Buckle, Malcolm; Dujon, Bernard  
CS (1) Unite de Genetique Moleculaire des Levures, Institut Pasteur, 25 rue du Docteur Roux, 75724 Paris Cedex 15 France  
SO EMBO (European Molecular Biology Organization) Journal, (1993) Vol. 12, No. 7, pp. 2939-2947.  
ISSN: 0261-4189.  
DT Article  
LA English

L10 ANSWER 6 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1994:24893 CAPLUS  
DN 120:24893  
TI Homologous recombination in plant cells is enhanced by in vivo induction of double strand breaks into DNA by a site-specific endonuclease  
AU Fuchta, Holger; Dujon, Bernard; Hohn, Barbara  
CS Friedrich Miescher-Inst., Basel, CH-4002, Switz.  
SO Nucleic Acids Res. (1993), 21(22), 5034-40  
CODEN: NARHAD; ISSN: 0305-1048  
DT Journal  
LA English

L10 ANSWER 7 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1993:226752 CAPLUS  
DN 118:226752  
TI Rapid physical mapping of YAC inserts by random integration of I-Sce I sites  
AU Colleaux, Laurence; Rougeulle, Claire; Avner, Philip; Dujon, Bernard  
CS Dep. Biol. Mol., Inst. Pasteur, Paris, F-75724, Fr.  
SO Hum. Mol. Genet. (1993), 2(3), 265-71  
CODEN: HMGEE5; ISSN: 0964-6906  
DT Journal  
LA English

L10 ANSWER 8 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1995:534146 CAPLUS  
DN 123:134052  
TI The yeast I-SceI meganuclease induces site-directed chromosomal recombination in mammalian cells

AU Choulika, Andre; Perrin, Arnaud; Dujon, Bernard; Nicolas, Jean-Francois  
 CS Unite de Biologie Moleculaire du Developpement, Institut Pasteur, Paris, 75724/15, Fr.  
 SO C. R. Acad. Sci., Ser. III (1994), 317(11), 1013-9  
 CODEN: CRASEV; ISSN: 0764-4469  
 DT Journal  
 LA English

L10 ANSWER 9 OF 15 CAPLUS COPYRIGHT 1999 ACS  
 AN 1995:332914 CAPLUS  
 DN 122:153093  
 TI Construction of a cosmid contig and of an EcoRI restriction map of yeast chromosome X  
 AU Huang, Meng-Er; Chuat, Jean-Claude; Thierry, Agnes; Dujon, Bernard ; Galibert, Francis  
 CS Lab. Biochim. Biol. Mol., Fac. Med., Rennes, 35043, Fr.  
 SO DNA Sequence (1994), 4(5), 293-300  
 CODEN: DNSEES; ISSN: 1042-5179  
 DT Journal  
 LA English

L10 ANSWER 10 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS  
 AN 1995:205857 BIOSIS  
 DN PREV199598220157  
 TI Induction of homologous recombination in mammalian chromosomes by using the I-SceI system of *Saccharomyces cerevisiae*.  
 AU Choulika, Andre; Perrin, Arnaud; Dujon, Bernard; Nicolas, Jean-Francois (1)  
 CS (1) Unite de Biol. Mol. du Developpement, Inst. Pasteur, 25 rue du Dr Roux, 75724 Paris Cedex 15 France  
 SO Molecular and Cellular Biology, (1995) Vol. 15, No. 4, pp. 1968-1973. ISSN: 0270-7306.  
 DT Article  
 LA English

L10 ANSWER 11 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS  
 AN 1995:157278 BIOSIS  
 DN PREV199598171578  
 TI Construction of a complete genomic library of *Saccharomyces cerevisiae* and physical mapping of chromosome XI at 3 cntdot 7 kb resolution.  
 AU Thierry, Agnes; Gaillon, Laurent; Galibert, Francis; Dujon, Bernard (1)  
 CS (1) Unite Genetique Mol. Levures, Dep. Biol. Mol., Inst. Pasteur, 25 rue du Docteur Roux, F-75724 Paris-Cedex 15 France  
 SO Yeast, (1995) Vol. 11, No. 2, pp. 121-135. ISSN: 0749-503X.  
 DT Article  
 LA English

L10 ANSWER 12 OF 15 BIOSIS COPYRIGHT 1999 BIOSIS  
 AN 1997:19831 BIOSIS  
 DN PREV199799319034  
 TI New vectors for combinatorial deletions in yeast chromosomes and for Gap-repair cloning using 'split-marker' recombination.  
 AU Fairhead, Cecile (1); Llorente, Bertrand; Denis, Francoise; Soler, Maria; Dujon, Bernard  
 CS (1) Unite Genet. Mol. Levures, Inst. Pasteur, 25 Rue Dr. Roux, F-75724 Paris Cedex 15 France  
 SO Yeast, (1996) Vol. 12, No. 14, pp. 1439-1458. ISSN: 0749-503X.  
 DT Article  
 LA English

L10 ANSWER 13 OF 15 CAPLUS COPYRIGHT 1999 ACS

AN 1996:428575 CAPLUS

DN 125:107019

TI Nucleotide sequence encoding yeast enzyme I-SceI and  
its use in inducing homologous recombination in eukaryotic cells and  
protein production in transgenic animals

IN Choulika, Andre; Perrin, Arnaud; Dujon, Bernard; Nicolas,  
Jean-Francois

PA Institut Pasteur, Fr.; Universite Pierre Et Marie Curie

SO PCT Int. Appl., 122 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9614408	A2	19960517	WO 1995-EP4351	19951106
	WO 9614408	A3	19960829		
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	US 5792632	A	19980811	US 1994-336241	19941107
	EP 791058	A1	19970827	EP 1995-938418	19951106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 10508478	T2	19980825	JP 1995-515058	19951106
PRAI	US 1994-336241		19941107		
	US 1992-879689		19920505		
	US 1992-971160		19921105		
	WO 1995-EP4351		19951106		

L10 ANSWER 14 OF 15 CAPLUS COPYRIGHT 1999 ACS

AN 1998:545391 CAPLUS

DN 129:172448

TI Cloning and expression of gene for restriction endonuclease I-  
SceI of Saccharomyces cerevisiae and use of I-  
SceI

IN Dujon, Bernard; Choulika, Andre; Perrin, Arnaud; Nicolas,  
Jean-francois

PA Institut Pasteur, Fr.

SO U.S., 79 pp. Cont.-in-part of U. S. 5,474,896.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5792632	A	19980811	US 1994-336241	19941107
	US 5474896	A	19951212	US 1992-971160	19921105
	US 5866361	A	19990202	US 1995-465273	19950605
	WO 9614408	A2	19960517	WO 1995-EP4351	19951106
	WO 9614408	A3	19960829		
	W: CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	CA 2203569	AA	19960517	CA 1995-2203569	19951106
	EP 791058	A1	19970827	EP 1995-938418	19951106
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	JP 10508478	T2	19980825	JP 1995-515058	19951106
	US 5948678	A	19990907	US 1998-119024	19980720
PRAI	US 1992-879689		19920505		
	US 1992-971160		19921105		
	US 1994-336241		19941107		
	WO 1995-EP4351		19951106		

L10 ANSWER 15 OF 15 CAPLUS COPYRIGHT 1999 ACS  
AN 1998:336490 CAPLUS  
DN 129:105015  
TI Physical mapping of chromosomes VII and XV of *Saccharomyces cerevisiae* at  
3.5 kb average resolution to allow their complete sequencing  
AU Tettelin, Herve; Thierry, Agnes; Goffeau, Andre; Dujon, Bernard  
CS Dep. Biotechnol., Inst. Pasteur, Paris, F-75724, Fr.  
SO Yeast (1998), 14(7), 601-616  
CODEN: YESTE3; ISSN: 0749-503X  
PB John Wiley & Sons Ltd.  
DT Journal  
LA English

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